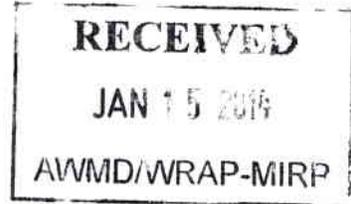


file



**Environmental
Operations, Inc.**
CLEARING THE WAY



January 14, 2014

Mr. Michael Dandurand
U.S. Environmental Protection Agency, Region 7
11201 Renner Boulevard
Mail Code: AWMDWRAP
Lenexa, KS 66219

RE: PCB Removal
Solutia – John F. Queeny Plant
St. Louis, Missouri
EPA ID No. MOD 004 954 111

RCRA



528433

Dear Mr. Dandurand:

Original work for the excavation and disposal of PCBs in the VV Building Area was approved as part of the Interim Measures Work Plan for the referenced site. The work plan was approved on March 11, 2009 by Ms. Stephanie Doolan. The original PCB excavation and disposal was conducted in between November 2010 and January 2011. The excavation work terminated upon obtaining wall and floor confirmation samples indicating the 100 ppm goal had been achieved. Material with greater than 100 parts per million (ppm) was disposed at Heritage's Roachdale facility.

Subsequent delineation per the approved plan to identify areas below 100 but above 10 ppm for purposes of a restrictive covenant indicated areas which had PCBs above the 100 ppm goal. Furthermore, the impacted areas were typically overlain by four feet of material which was below 100 ppm. Attached are a draft figure, a summary analytical table, and the analytical data from that delineation to assist your review. The nomenclature on the sample identification (i.e. IMWP-VV-SP-02-5ft) is based upon task, area of concern, soil probe location, and depth. In this example, it is from location 2 at a depth of 5 feet.

We would like to modify the original plan to reflect the presence of material which would not have to be removed and disposed, but would need to be excavated for the purpose of accessing the material which does require offsite disposal. We propose removing and stockpiling soil from up to one foot above the depth at which prior testing indicated soil with greater than 100 ppm PCB was found. We would place the material in 20-yard piles on plastic. Three aliquots from each 20-yard pile would be combined to yield one sample for analytical testing to confirm prior results and appropriateness of placement back in the hole upon completion. If results are greater than 100 ppm, that stockpile would be identified as requiring disposal offsite in a permitted facility. Otherwise, the material would be placed in the excavation first during backfill activities, with clean fill placed over it. Typical thickness of clean fill placed over this material will vary, but will likely be a minimum of four feet, as the typical excavation of material for disposal occurs below four feet and extends to eight or nine feet below grade. As previously communicated, we anticipate between 100 and 200 yards may require offsite disposal.

Environmental Consulting & Remediation, Demolition, & Geotechnical Engineering

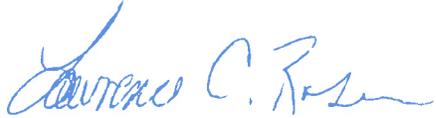
1530 South Second Street • Saint Louis, Missouri 63104-4500 • 314-241-0900

www.environmentalops.com

Mr. Michael Dandurand
January 14, 2014

We look forward to obtaining your approval for this modification so that we can complete this task. If there are questions or concerns, please contact me by phone at (314) 480-4694, or via email at larryr@environmentalops.com.

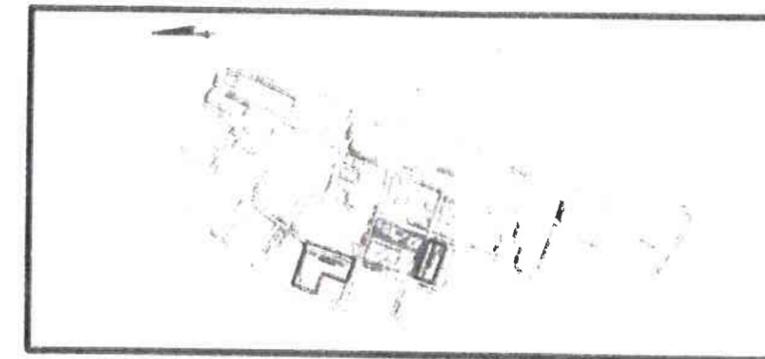
Respectfully submitted,
ENVIRONMENTAL OPERATIONS, INC.



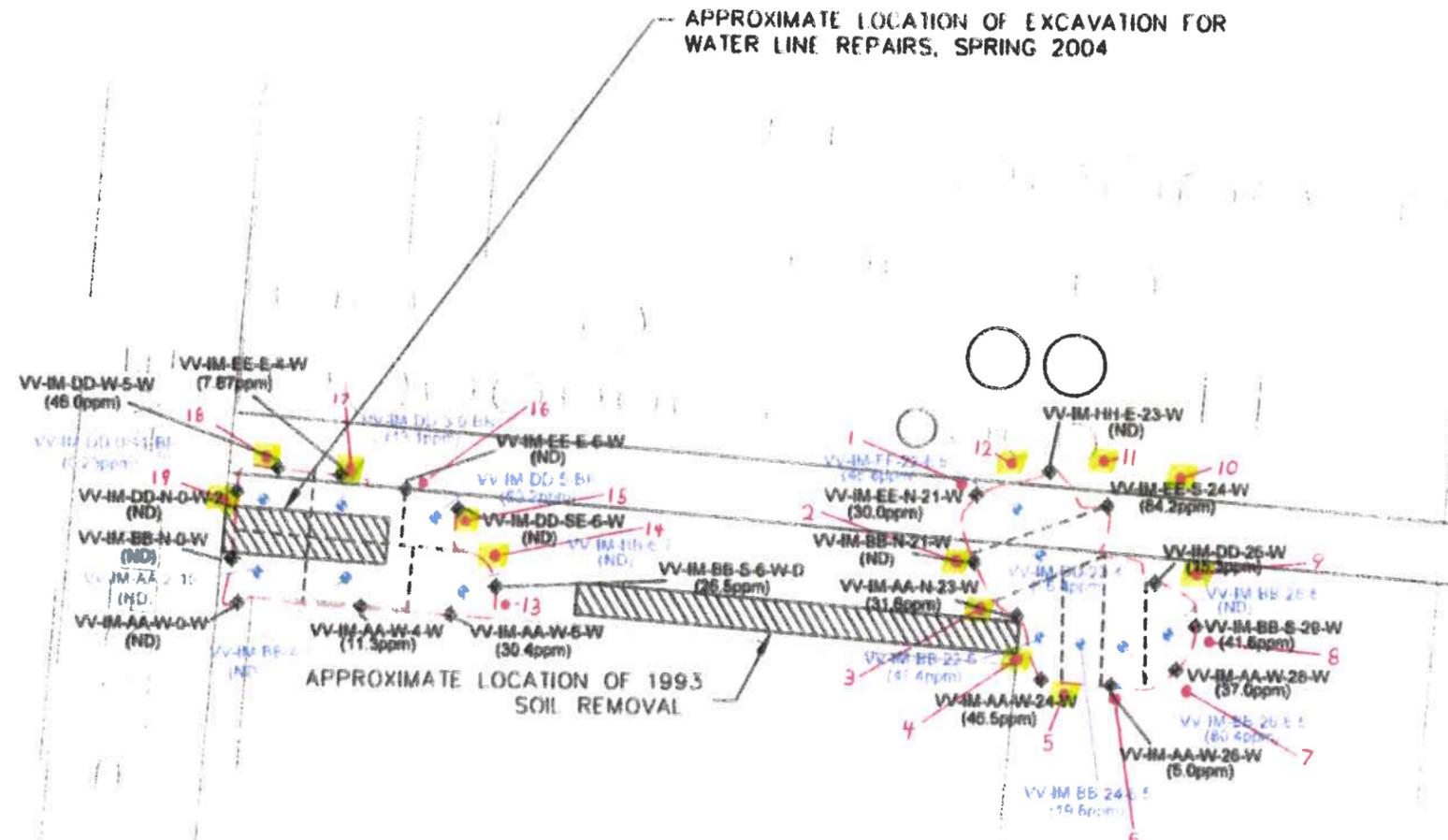
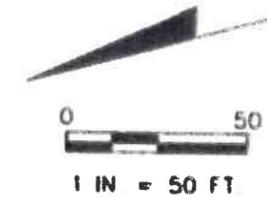
Lawrence C. Rosen, R.G.
Senior Project Manager

Attachments: Location Plan
Table - Summary Analytical Results
Laboratory Report

Copy: Mr. Bruce Morrison
Ms. Christine Kump-Mitchell/MDNR
Mr. Rich Nussbaum/ MDNR
Mr. Michael House/Solutia



KEY MAP



LEGEND

-  APPROXIMATE LOCATION OF PRIOR EXCAVATIONS
-  FENCE
-  Approximate Extent of Excavation
-  Well Samples (Approximate Locations)
-  Floor Samples (Approximate Locations)
-  Location with planned soil excavation

**Sample Locations and Excavation Areas
 VV Building Area (DRAFT)
 Former Solutia Queeny Plant
 Saint Louis, Missouri**

2/14/2007 11:13:30 AM M:\13_Eng\2006\msh\figs\vv\New\Building\Locations VV Building March 7 2007.dwg

**Summary PCB Delineation Analytical Results - VV Building Area
Solutia Queeny Site**

| | | | | | |
|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|
| Location/ID | IMWP-VV-SP-01 | Total Arochlor (mg/Kg) | Location/ID | IMWP-VV-SP-11 | Total Arochlor (mg/Kg) |
| Depth (ft.) | 1 | 0.354 | Depth (ft.) | 1 | 0.1388 |
| | 5 | 82.19 | | 4.5 | 3820 |
| | 9 | 22.892 | | 8 | 1333 |
| | | | | 8(duplicate) | 5070 |
| Location/ID | IMWP-VV-SP-02 | Total Arochlor (mg/Kg) | Location/ID | IMWP-VV-SP-12 | Total Arochlor (mg/Kg) |
| Depth (ft.) | 1.5 | 0.2593 | Depth (ft.) | 1.5 | 58.93 |
| | 5 | 140.19 | | 4 | 95.57 |
| | 9.5 | 12.823 | | 8 | 744 |
| Location/ID | IMWP-VV-SP-03 | Total Arochlor (mg/Kg) | Location/ID | IMWP-VV-SP-13 | Total Arochlor (mg/Kg) |
| Depth (ft.) | 1 | 7.024 | Depth (ft.) | 1.5 | 0.0967 |
| | 4.5 | 4.455 | | 4.5 | 1.945 |
| | 8.5 | 626 | | 9 | 25.98 |
| Location/ID | IMWP-VV-SP-04 | Total Arochlor (mg/Kg) | Location/ID | IMWP-VV-SP-14 | Total Arochlor (mg/Kg) |
| Depth (ft.) | 1.5 | 29.37 | Depth (ft.) | 1 | 23.37 |
| | 4.5 | 103.97 | | 5 | 59.1 |
| | 8 | 98.9 | | 10 | 259.2 |
| Location/ID | IMWP-VV-SP-05 | Total Arochlor (mg/Kg) | Location/ID | IMWP-VV-SP-15 | Total Arochlor (mg/Kg) |
| Depth (ft.) | 1.5 | 13.79 | Depth (ft.) | 1.5 | 0.122 |
| | 4 | 237.42 | | 4.5 | 7.5937 |
| | 5.5 | 22.265 | | 9 | 257.57 |
| Location/ID | IMWP-VV-SP-06 | Total Arochlor (mg/Kg) | Location/ID | IMWP-VV-SP-16 | Total Arochlor (mg/Kg) |
| Depth (ft.) | 1 | 0.1851 | Depth (ft.) | 1 | ND |
| | 4 | 0.841 | | 1(duplicate) | 0.0306 |
| | 6.5 | 57.78 | | 5 | 0.1058 |
| Location/ID | IMWP-VV-SP-07 | Total Arochlor (mg/Kg) | | 10 | ND |
| Depth (ft.) | 1.5 | 3.337 | Location/ID | IMWP-VV-SP-17 | Total Arochlor (mg/Kg) |
| | 4 | 0.1918 | Depth (ft.) | 1.5 | ND |
| | 7 | ND | | 5 | 0.031 |
| Location/ID | IMWP-VV-SP-08 | Total Arochlor (mg/Kg) | | 10 | 459.8 |
| Depth (ft.) | 1.5 | 0.5689 | Location/ID | IMWP-VV-SP-18 | Total Arochlor (mg/Kg) |
| | 4 | 0.1749 | Depth (ft.) | 1 | 0.6225 |
| | 7 | 72 | | 5 | 1504.8 |
| Location/ID | IMWP-VV-SP-09 | Total Arochlor (mg/Kg) | | 10 | 1987.2 |
| Depth (ft.) | 1 | 10.52 | Location/ID | IMWP-VV-SP-19 | Total Arochlor (mg/Kg) |
| | 4 | 37.21 | Depth (ft.) | 1 | 5.45 |
| | 7.5 | 12.76 | | 4.5 | 0.308 |
| | 7.5(duplicate) | 188.4 | | 9.5 | 540.8 |
| Location/ID | IMWP-VV-SP-10 | Total Arochlor (mg/Kg) | | 9.5(duplicate) | 467.7 |
| Depth (ft.) | 1 | 10.59 | | | |
| | 5 | 232.4 | | | |
| | 9 | 2868 | | | |
| | 9(duplicate) | 83.7 | | | |

February 01, 2013

Larry Rosen
Environmental Operations, Inc.
1530 South Second Street, Suite 200
St. Louis, MO 63104
TEL: (314) 480-4694
FAX: (314) 436-2900



RE: Solutia 2950

WorkOrder: 13011093

Dear Larry Rosen:

TEKLAB, INC received 63 samples on 1/24/2013 4:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |



Case Narrative

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Cooler Receipt Temp: 1.4 °C

Locations and Accreditations

| Collinsville | | Springfield | | Kansas City | |
|--------------|---|-------------|---|-------------|--------------------------------------|
| Address | 5445 Horseshoe Lake Road Collinsville, IL 62234-7425 | Address | 3920 Pintail Dr Springfield, IL 62711-9415 | Address | 8421 Nieman Road Lenexa, KS 66214 |
| Phone | (618) 344-1004 | Phone | (217) 698-1004 | Phone | (913) 541-1998 |
| Fax | (618) 344-1005 | Fax | (217) 698-1005 | Fax | (913) 541-1998 |
| Email | jhriley@teklabinc.com | Email | KKlostermann@teklabinc.com | Email | dthompson@teklabinc.com |

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|-----------|------|-----------------|-------|-----------|--------------|
| Illinois | IEPA | 100226 | NELAP | 1/31/2014 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 1/31/2014 | Collinsville |
| Louisiana | LDEQ | 166493 | NELAP | 6/30/2013 | Collinsville |
| Louisiana | LDEQ | 166578 | NELAP | 6/30/2013 | Springfield |
| Texas | TCEQ | T104704515-12-1 | NELAP | 7/31/2013 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2013 | Collinsville |
| Illinois | IDPH | 17584 | | 4/30/2013 | Collinsville |
| Kentucky | UST | 0073 | | 5/26/2013 | Collinsville |
| Missouri | MDNR | 00930 | | 4/13/2013 | Collinsville |
| Oklahoma | ODEQ | 9978 | | 8/31/2013 | Collinsville |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-001
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-01-1 ft
 Collection Date: 01/23/2013 9:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 12.6 | % | 1 | 01/25/2013 15:36 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0428 | | ND | mg/Kg-dry | 1 | 01/28/2013 10:48 | 85215 |
| Aroclor 1221 | NELAP | 0.0428 | | ND | mg/Kg-dry | 1 | 01/28/2013 10:48 | 85215 |
| Aroclor 1232 | NELAP | 0.0428 | | ND | mg/Kg-dry | 1 | 01/28/2013 10:48 | 85215 |
| Aroclor 1242 | NELAP | 0.0428 | | ND | mg/Kg-dry | 1 | 01/28/2013 10:48 | 85215 |
| Aroclor 1248 | NELAP | 0.0428 | | 0.329 | mg/Kg-dry | 1 | 01/28/2013 10:48 | 85215 |
| Aroclor 1254 | NELAP | 0.0428 | | ND | mg/Kg-dry | 1 | 01/28/2013 10:48 | 85215 |
| Aroclor 1260 | NELAP | 0.0428 | J | 0.025 | mg/Kg-dry | 1 | 01/28/2013 10:48 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 97.4 | %REC | 1 | 01/28/2013 10:48 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 54.7 | %REC | 1 | 01/28/2013 10:48 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-002

Client Sample ID: IMWP-VV-SP-01-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.0 | % | 1 | 01/25/2013 15:36 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:06 | 85215 |
| Aroclor 1221 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:06 | 85215 |
| Aroclor 1232 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:06 | 85215 |
| Aroclor 1242 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:06 | 85215 |
| Aroclor 1248 | NELAP | 11.4 | | 80.6 | mg/Kg-dry | 250 | 01/29/2013 18:06 | 85215 |
| Aroclor 1254 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:06 | 85215 |
| Aroclor 1260 | NELAP | 0.457 | | 1.59 | mg/Kg-dry | 10 | 01/29/2013 17:49 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 94.1 | %REC | 1 | 01/28/2013 11:06 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 74.2 | %REC | 1 | 01/28/2013 11:06 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-003

Client Sample ID: IMWP-VV-SP-01-9 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:30

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 17.7 | % | 1 | 01/25/2013 15:37 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0454 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:23 | 85215 |
| Aroclor 1221 | NELAP | 0.0454 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:23 | 85215 |
| Aroclor 1232 | NELAP | 0.0454 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:23 | 85215 |
| Aroclor 1242 | NELAP | 0.0454 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:23 | 85215 |
| Aroclor 1248 | NELAP | 2.27 | | 22.5 | mg/Kg-dry | 50 | 01/29/2013 18:23 | 85215 |
| Aroclor 1254 | NELAP | 0.0454 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:23 | 85215 |
| Aroclor 1260 | NELAP | 0.0454 | | 0.392 | mg/Kg-dry | 1 | 01/28/2013 11:23 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 100.7 | %REC | 1 | 01/28/2013 11:23 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 68.7 | %REC | 1 | 01/28/2013 11:23 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-004

Client Sample ID: IMWP-VV-SP-02-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:35

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 13.9 | % | 1 | 01/25/2013 15:37 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:40 | 85215 |
| Aroclor 1221 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:40 | 85215 |
| Aroclor 1232 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:40 | 85215 |
| Aroclor 1242 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:40 | 85215 |
| Aroclor 1248 | NELAP | 0.0435 | | 0.142 | mg/Kg-dry | 1 | 01/28/2013 11:40 | 85215 |
| Aroclor 1254 | NELAP | 0.0435 | | 0.0825 | mg/Kg-dry | 1 | 01/28/2013 11:40 | 85215 |
| Aroclor 1260 | NELAP | 0.0435 | J | 0.0348 | mg/Kg-dry | 1 | 01/28/2013 11:40 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 93.3 | %REC | 1 | 01/28/2013 11:40 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 71.4 | %REC | 1 | 01/28/2013 11:40 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-005

Client Sample ID: IMWP-VV-SP-02-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:40

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.8 | % | 1 | 01/25/2013 15:37 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0461 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:57 | 85215 |
| Aroclor 1221 | NELAP | 0.0461 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:57 | 85215 |
| Aroclor 1232 | NELAP | 0.0461 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:57 | 85215 |
| Aroclor 1242 | NELAP | 11.5 | | 139 | mg/Kg-dry | 250 | 01/29/2013 18:58 | 85215 |
| Aroclor 1248 | NELAP | 0.0461 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:57 | 85215 |
| Aroclor 1254 | NELAP | 0.0461 | | ND | mg/Kg-dry | 1 | 01/28/2013 11:57 | 85215 |
| Aroclor 1260 | NELAP | 0.461 | | 1.19 | mg/Kg-dry | 10 | 01/29/2013 18:40 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 90.5 | %REC | 1 | 01/28/2013 11:57 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 61.7 | %REC | 1 | 01/28/2013 11:57 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-006

Client Sample ID: IMWP-VV-SP-02-9.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:45

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 14.0 | % | 1 | 01/25/2013 15:37 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0437 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:14 | 85215 |
| Aroclor 1221 | NELAP | 0.0437 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:14 | 85215 |
| Aroclor 1232 | NELAP | 0.0437 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:14 | 85215 |
| Aroclor 1242 | NELAP | 2.18 | | 12.6 | mg/Kg-dry | 50 | 01/29/2013 19:15 | 85215 |
| Aroclor 1248 | NELAP | 0.0437 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:14 | 85215 |
| Aroclor 1254 | NELAP | 0.0437 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:14 | 85215 |
| Aroclor 1260 | NELAP | 0.0437 | | 0.223 | mg/Kg-dry | 1 | 01/28/2013 12:14 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 96.0 | %REC | 1 | 01/28/2013 12:14 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 66.0 | %REC | 1 | 01/28/2013 12:14 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-007

Client Sample ID: IMWP-VV-SP-03-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:45

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 16.2 | % | 1 | 01/25/2013 15:37 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0445 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:31 | 85215 |
| Aroclor 1221 | NELAP | 0.0445 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:31 | 85215 |
| Aroclor 1232 | NELAP | 0.0445 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:31 | 85215 |
| Aroclor 1242 | NELAP | 0.0445 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:31 | 85215 |
| Aroclor 1248 | NELAP | 0.445 | | 4.41 | mg/Kg-dry | 10 | 01/29/2013 19:32 | 85215 |
| Aroclor 1254 | NELAP | 0.445 | | 2.16 | mg/Kg-dry | 10 | 01/29/2013 19:32 | 85215 |
| Aroclor 1260 | NELAP | 0.0445 | | 0.454 | mg/Kg-dry | 1 | 01/28/2013 12:31 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 102.0 | %REC | 1 | 01/28/2013 12:31 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 77.9 | %REC | 1 | 01/28/2013 12:31 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-008

Client Sample ID: IMWP-VV-SP-03-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:50

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 17.8 | % | 1 | 01/25/2013 15:37 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0455 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:49 | 85215 |
| Aroclor 1221 | NELAP | 0.0455 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:49 | 85215 |
| Aroclor 1232 | NELAP | 0.0455 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:49 | 85215 |
| Aroclor 1242 | NELAP | 0.455 | | 3.42 | mg/Kg-dry | 10 | 01/29/2013 19:49 | 85215 |
| Aroclor 1248 | NELAP | 0.0455 | | ND | mg/Kg-dry | 1 | 01/28/2013 12:49 | 85215 |
| Aroclor 1254 | NELAP | 0.455 | | 0.887 | mg/Kg-dry | 10 | 01/29/2013 19:49 | 85215 |
| Aroclor 1260 | NELAP | 0.0455 | | 0.148 | mg/Kg-dry | 1 | 01/28/2013 12:49 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 74.6 | %REC | 1 | 01/28/2013 12:49 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 55.0 | %REC | 1 | 01/28/2013 12:49 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-009
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-03-8.5 ft
 Collection Date: 01/23/2013 8:55

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 19.6 | % | 1 | 01/25/2013 15:38 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 46.7 | | ND | mg/Kg-dry | 1000 | 01/29/2013 20:23 | 85215 |
| Aroclor 1221 | NELAP | 46.7 | | ND | mg/Kg-dry | 1000 | 01/29/2013 20:23 | 85215 |
| Aroclor 1232 | NELAP | 46.7 | | ND | mg/Kg-dry | 1000 | 01/29/2013 20:23 | 85215 |
| Aroclor 1242 | NELAP | 46.7 | | 508 | mg/Kg-dry | 1000 | 01/29/2013 20:23 | 85215 |
| Aroclor 1248 | NELAP | 46.7 | | ND | mg/Kg-dry | 1000 | 01/29/2013 20:23 | 85215 |
| Aroclor 1254 | NELAP | 46.7 | | 118 | mg/Kg-dry | 1000 | 01/29/2013 20:23 | 85215 |
| Aroclor 1260 | NELAP | 46.7 | | ND | mg/Kg-dry | 1000 | 01/29/2013 20:23 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 8.3 | %REC | 1 | 01/28/2013 13:06 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 68.5 | %REC | 1 | 01/28/2013 13:06 | 85215 |
| <i>Elevated reporting limit due to high levels of target analytes.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-010

Client Sample ID: IMWP-VV-SP-04-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:50

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 15.0 | % | 1 | 01/25/2013 15:38 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.044 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:23 | 85215 |
| Aroclor 1221 | NELAP | 0.044 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:23 | 85215 |
| Aroclor 1232 | NELAP | 0.044 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:23 | 85215 |
| Aroclor 1242 | NELAP | 2.2 | | 21.9 | mg/Kg-dry | 50 | 01/29/2013 20:58 | 85215 |
| Aroclor 1248 | NELAP | 0.044 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:23 | 85215 |
| Aroclor 1254 | NELAP | 0.44 | | 5.67 | mg/Kg-dry | 10 | 01/29/2013 20:41 | 85215 |
| Aroclor 1260 | NELAP | 0.44 | | 1.8 | mg/Kg-dry | 10 | 01/29/2013 20:41 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 107.0 | %REC | 1 | 01/28/2013 13:23 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 91.9 | %REC | 1 | 01/28/2013 13:23 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-011

Client Sample ID: IMWP-VV-SP-04-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:55

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.1 | % | 1 | 01/25/2013 15:38 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:40 | 85215 |
| Aroclor 1221 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:40 | 85215 |
| Aroclor 1232 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:40 | 85215 |
| Aroclor 1242 | NELAP | 11.4 | | 83.4 | mg/Kg-dry | 250 | 01/29/2013 21:32 | 85215 |
| Aroclor 1248 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:40 | 85215 |
| Aroclor 1254 | NELAP | 1.14 | | 14.6 | mg/Kg-dry | 25 | 01/29/2013 21:15 | 85215 |
| Aroclor 1260 | NELAP | 1.14 | | 5.97 | mg/Kg-dry | 25 | 01/29/2013 21:15 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 87.0 | %REC | 1 | 01/28/2013 13:40 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 57.3 | %REC | 1 | 01/28/2013 13:40 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-012

Client Sample ID: IMWP-VV-SP-04-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.0 | % | 1 | 01/25/2013 15:38 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:57 | 85215 |
| Aroclor 1221 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:57 | 85215 |
| Aroclor 1232 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:57 | 85215 |
| Aroclor 1242 | NELAP | 11.4 | | 70.9 | mg/Kg-dry | 250 | 01/29/2013 22:07 | 85215 |
| Aroclor 1248 | NELAP | 0.0456 | | ND | mg/Kg-dry | 1 | 01/28/2013 13:57 | 85215 |
| Aroclor 1254 | NELAP | 11.4 | | 23.9 | mg/Kg-dry | 250 | 01/29/2013 22:07 | 85215 |
| Aroclor 1260 | NELAP | 0.456 | | 4.1 | mg/Kg-dry | 10 | 01/29/2013 21:49 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 118.8 | %REC | 1 | 01/28/2013 13:57 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 74.6 | %REC | 1 | 01/28/2013 13:57 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-013

Client Sample ID: IMWP-VV-SP-05-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:05

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 7.1 | % | 1 | 01/25/2013 15:38 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.04 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:14 | 85215 |
| Aroclor 1221 | NELAP | 0.04 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:14 | 85215 |
| Aroclor 1232 | NELAP | 0.04 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:14 | 85215 |
| Aroclor 1242 | NELAP | 0.04 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:14 | 85215 |
| Aroclor 1248 | NELAP | 1 | | 6.69 | mg/Kg-dry | 25 | 01/29/2013 22:24 | 85215 |
| Aroclor 1254 | NELAP | 1 | | 4.71 | mg/Kg-dry | 25 | 01/29/2013 22:24 | 85215 |
| Aroclor 1260 | NELAP | 1 | | 2.39 | mg/Kg-dry | 25 | 01/29/2013 22:24 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 74.1 | %REC | 1 | 01/28/2013 14:14 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 94.5 | %REC | 1 | 01/28/2013 14:14 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-014

Client Sample ID: IMWP-VV-SP-05-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:10

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 14.4 | % | 1 | 01/25/2013 15:39 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0438 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:32 | 85215 |
| Aroclor 1221 | NELAP | 0.0438 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:32 | 85215 |
| Aroclor 1232 | NELAP | 0.0438 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:32 | 85215 |
| Aroclor 1242 | NELAP | 43.8 | | 234 | mg/Kg-dry | 1000 | 01/29/2013 22:58 | 85215 |
| Aroclor 1248 | NELAP | 0.0438 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:32 | 85215 |
| Aroclor 1254 | NELAP | 0.0438 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:32 | 85215 |
| Aroclor 1260 | NELAP | 1.09 | | 3.42 | mg/Kg-dry | 25 | 01/29/2013 22:41 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 94.5 | %REC | 1 | 01/28/2013 14:32 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 100.5 | %REC | 1 | 01/28/2013 14:32 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-015
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-05-5.5 ft
 Collection Date: 01/23/2013 10:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.2 | % | 1 | 01/25/2013 15:39 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0459 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:49 | 85215 |
| Aroclor 1221 | NELAP | 0.0459 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:49 | 85215 |
| Aroclor 1232 | NELAP | 0.0459 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:49 | 85215 |
| Aroclor 1242 | NELAP | 2.3 | | 18 | mg/Kg-dry | 50 | 01/29/2013 23:32 | 85215 |
| Aroclor 1248 | NELAP | 0.0459 | | ND | mg/Kg-dry | 1 | 01/28/2013 14:49 | 85215 |
| Aroclor 1254 | NELAP | 0.459 | | 3.55 | mg/Kg-dry | 10 | 01/29/2013 23:15 | 85215 |
| Aroclor 1260 | NELAP | 0.459 | | 0.715 | mg/Kg-dry | 10 | 01/29/2013 23:15 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 33.3 | %REC | 1 | 01/28/2013 14:49 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 100.2 | %REC | 1 | 01/28/2013 14:49 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-016

Client Sample ID: IMWP-VV-SP-06-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:20

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 13.4 | % | 1 | 01/25/2013 15:39 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0434 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:06 | 85215 |
| Aroclor 1221 | NELAP | 0.0434 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:06 | 85215 |
| Aroclor 1232 | NELAP | 0.0434 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:06 | 85215 |
| Aroclor 1242 | NELAP | 0.0434 | | 0.0551 | mg/Kg-dry | 1 | 01/28/2013 15:06 | 85215 |
| Aroclor 1248 | NELAP | 0.0434 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:06 | 85215 |
| Aroclor 1254 | NELAP | 0.0434 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:06 | 85215 |
| Aroclor 1260 | NELAP | 0.0434 | | 0.13 | mg/Kg-dry | 1 | 01/28/2013 15:06 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 108.2 | %REC | 1 | 01/28/2013 15:06 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 97.8 | %REC | 1 | 01/28/2013 15:06 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-017

Client Sample ID: IMWP-VV-SP-06-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 8.3 | % | 1 | 01/25/2013 15:39 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0409 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:23 | 85215 |
| Aroclor 1221 | NELAP | 0.0409 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:23 | 85215 |
| Aroclor 1232 | NELAP | 0.0409 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:23 | 85215 |
| Aroclor 1242 | NELAP | 0.0409 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:23 | 85215 |
| Aroclor 1248 | NELAP | 0.0409 | | 0.292 | mg/Kg-dry | 1 | 01/28/2013 15:23 | 85215 |
| Aroclor 1254 | NELAP | 0.0409 | | 0.442 | mg/Kg-dry | 1 | 01/28/2013 15:23 | 85215 |
| Aroclor 1260 | NELAP | 0.0409 | | 0.107 | mg/Kg-dry | 1 | 01/28/2013 15:23 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 102.2 | %REC | 1 | 01/28/2013 15:23 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 96.6 | %REC | 1 | 01/28/2013 15:23 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-018

Client Sample ID: IMWP-VV-SP-06-6.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:30

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 15.6 | % | 1 | 01/25/2013 15:40 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0443 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:40 | 85215 |
| Aroclor 1221 | NELAP | 0.0443 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:40 | 85215 |
| Aroclor 1232 | NELAP | 0.0443 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:40 | 85215 |
| Aroclor 1242 | NELAP | 4.43 | | 49.2 | mg/Kg-dry | 100 | 01/30/2013 0:07 | 85215 |
| Aroclor 1248 | NELAP | 0.0443 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:40 | 85215 |
| Aroclor 1254 | NELAP | 1.11 | | 8.58 | mg/Kg-dry | 25 | 01/29/2013 23:50 | 85215 |
| Aroclor 1260 | NELAP | 0.0443 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:40 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 98.0 | %REC | 1 | 01/28/2013 15:40 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 78.3 | %REC | 1 | 01/28/2013 15:40 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-019

Client Sample ID: IMWP-VV-SP-07-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:35

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 5.6 | % | 1 | 01/25/2013 15:40 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0398 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:57 | 85215 |
| Aroclor 1221 | NELAP | 0.0398 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:57 | 85215 |
| Aroclor 1232 | NELAP | 0.0398 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:57 | 85215 |
| Aroclor 1242 | NELAP | 0.0398 | | ND | mg/Kg-dry | 1 | 01/28/2013 15:57 | 85215 |
| Aroclor 1248 | NELAP | 0.199 | | 0.717 | mg/Kg-dry | 5 | 01/30/2013 0:24 | 85215 |
| Aroclor 1254 | NELAP | 0.199 | | 1.62 | mg/Kg-dry | 5 | 01/30/2013 0:24 | 85215 |
| Aroclor 1260 | NELAP | 0.199 | | 1 | mg/Kg-dry | 5 | 01/30/2013 0:24 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 90.1 | %REC | 1 | 01/28/2013 15:57 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 98.1 | %REC | 1 | 01/28/2013 15:57 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-020

Client Sample ID: IMWP-VV-SP-07-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:40

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 12.7 | % | 1 | 01/25/2013 15:40 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.043 | | ND | mg/Kg-dry | 1 | 01/29/2013 16:57 | 85215 |
| Aroclor 1221 | NELAP | 0.043 | | ND | mg/Kg-dry | 1 | 01/29/2013 16:57 | 85215 |
| Aroclor 1232 | NELAP | 0.043 | | ND | mg/Kg-dry | 1 | 01/29/2013 16:57 | 85215 |
| Aroclor 1242 | NELAP | 0.043 | | 0.0678 | mg/Kg-dry | 1 | 01/29/2013 16:57 | 85215 |
| Aroclor 1248 | NELAP | 0.043 | | ND | mg/Kg-dry | 1 | 01/29/2013 16:57 | 85215 |
| Aroclor 1254 | NELAP | 0.043 | | ND | mg/Kg-dry | 1 | 01/29/2013 16:57 | 85215 |
| Aroclor 1260 | NELAP | 0.043 | | 0.124 | mg/Kg-dry | 1 | 01/29/2013 16:57 | 85215 |
| Surr: Decachlorobiphenyl | | 5-156 | | 94.4 | %REC | 1 | 01/28/2013 16:14 | 85215 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 74.2 | %REC | 1 | 01/28/2013 16:14 | 85215 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-021

Client Sample ID: IMWP-VV-SP-07-7 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:45

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.7 | % | 1 | 01/25/2013 17:11 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/31/2013 0:28 | 85228 |
| Aroclor 1221 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/31/2013 0:28 | 85228 |
| Aroclor 1232 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/31/2013 0:28 | 85228 |
| Aroclor 1242 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/31/2013 0:28 | 85228 |
| Aroclor 1248 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/31/2013 0:28 | 85228 |
| Aroclor 1254 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/31/2013 0:28 | 85228 |
| Aroclor 1260 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/31/2013 0:28 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 89.1 | %REC | 1 | 01/31/2013 0:28 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 60.3 | %REC | 1 | 01/31/2013 0:28 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-022

Client Sample ID: IMWP-VV-SP-08-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:50

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 5.8 | % | 1 | 01/25/2013 17:11 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0395 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:23 | 85228 |
| Aroclor 1221 | NELAP | 0.0395 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:23 | 85228 |
| Aroclor 1232 | NELAP | 0.0395 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:23 | 85228 |
| Aroclor 1242 | NELAP | 0.0395 | | 0.386 | mg/Kg-dry | 1 | 01/28/2013 19:23 | 85228 |
| Aroclor 1248 | NELAP | 0.0395 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:23 | 85228 |
| Aroclor 1254 | NELAP | 0.0395 | | 0.142 | mg/Kg-dry | 1 | 01/28/2013 19:23 | 85228 |
| Aroclor 1260 | NELAP | 0.0395 | | 0.0409 | mg/Kg-dry | 1 | 01/28/2013 19:23 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 82.4 | %REC | 1 | 01/28/2013 19:23 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 87.6 | %REC | 1 | 01/28/2013 19:23 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-023

Client Sample ID: IMWP-VV-SP-08-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:55

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 13.0 | % | 1 | 01/25/2013 17:11 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:40 | 85228 |
| Aroclor 1221 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:40 | 85228 |
| Aroclor 1232 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:40 | 85228 |
| Aroclor 1242 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:40 | 85228 |
| Aroclor 1248 | NELAP | 0.0432 | | 0.0716 | mg/Kg-dry | 1 | 01/28/2013 19:40 | 85228 |
| Aroclor 1254 | NELAP | 0.0432 | | 0.0615 | mg/Kg-dry | 1 | 01/28/2013 19:40 | 85228 |
| Aroclor 1260 | NELAP | 0.0432 | J | 0.0418 | mg/Kg-dry | 1 | 01/28/2013 19:40 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 98.2 | %REC | 1 | 01/28/2013 19:40 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 96.1 | %REC | 1 | 01/28/2013 19:40 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-024

Client Sample ID: IMWP-VV-SP-08-7 ft

Matrix: SOLID

Collection Date: 01/23/2013 11:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 13.3 | % | 1 | 01/25/2013 17:11 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0431 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:57 | 85228 |
| Aroclor 1221 | NELAP | 0.0431 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:57 | 85228 |
| Aroclor 1232 | NELAP | 0.0431 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:57 | 85228 |
| Aroclor 1242 | NELAP | 4.31 | | 49.7 | mg/Kg-dry | 100 | 01/30/2013 2:24 | 85228 |
| Aroclor 1248 | NELAP | 0.0431 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:57 | 85228 |
| Aroclor 1254 | NELAP | 4.31 | | 22.3 | mg/Kg-dry | 100 | 01/30/2013 2:24 | 85228 |
| Aroclor 1260 | NELAP | 0.0431 | | ND | mg/Kg-dry | 1 | 01/28/2013 19:57 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 82.6 | %REC | 1 | 01/28/2013 19:57 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 75.9 | %REC | 1 | 01/28/2013 19:57 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-025

Client Sample ID: IMWP-VV-SP-09-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:05

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 14.4 | % | 1 | 01/25/2013 17:12 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:14 | 85228 |
| Aroclor 1221 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:14 | 85228 |
| Aroclor 1232 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:14 | 85228 |
| Aroclor 1242 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:14 | 85228 |
| Aroclor 1248 | NELAP | 1.09 | | 5.31 | mg/Kg-dry | 25 | 01/30/2013 2:42 | 85228 |
| Aroclor 1254 | NELAP | 1.09 | | 3.83 | mg/Kg-dry | 25 | 01/30/2013 2:42 | 85228 |
| Aroclor 1260 | NELAP | 1.09 | | 1.38 | mg/Kg-dry | 25 | 01/31/2013 0:45 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 81.1 | %REC | 1 | 01/28/2013 20:14 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 101.3 | %REC | 1 | 01/28/2013 20:14 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-026

Client Sample ID: IMWP-VV-SP-09-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:10

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 20.6 | % | 1 | 01/25/2013 17:12 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0471 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:32 | 85228 |
| Aroclor 1221 | NELAP | 0.0471 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:32 | 85228 |
| Aroclor 1232 | NELAP | 0.0471 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:32 | 85228 |
| Aroclor 1242 | NELAP | 4.71 | | 31 | mg/Kg-dry | 100 | 01/30/2013 3:16 | 85228 |
| Aroclor 1248 | NELAP | 0.0471 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:32 | 85228 |
| Aroclor 1254 | NELAP | 1.18 | | 6.21 | mg/Kg-dry | 25 | 01/30/2013 2:59 | 85228 |
| Aroclor 1260 | NELAP | 0.0471 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:32 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 73.2 | %REC | 1 | 01/28/2013 20:32 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 81.3 | %REC | 1 | 01/28/2013 20:32 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-027

Client Sample ID: IMWP-VV-SP-09-7.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 20.8 | % | 1 | 01/25/2013 17:12 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0472 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:49 | 85228 |
| Aroclor 1221 | NELAP | 0.0472 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:49 | 85228 |
| Aroclor 1232 | NELAP | 0.0472 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:49 | 85228 |
| Aroclor 1242 | NELAP | 1.18 | | 9.52 | mg/Kg-dry | 25 | 01/30/2013 3:33 | 85228 |
| Aroclor 1248 | NELAP | 0.0472 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:49 | 85228 |
| Aroclor 1254 | NELAP | 1.18 | | 3.24 | mg/Kg-dry | 25 | 01/30/2013 3:33 | 85228 |
| Aroclor 1260 | NELAP | 0.0472 | | ND | mg/Kg-dry | 1 | 01/28/2013 20:49 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 78.5 | %REC | 1 | 01/28/2013 20:49 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 67.7 | %REC | 1 | 01/28/2013 20:49 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-028

Client Sample ID: IMWP-VV-SP-09-7.5 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 21.6 | % | 1 | 01/25/2013 17:13 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0477 | | ND | mg/Kg-dry | 1 | 01/28/2013 21:55 | 85228 |
| Aroclor 1221 | NELAP | 0.0477 | | ND | mg/Kg-dry | 1 | 01/28/2013 21:55 | 85228 |
| Aroclor 1232 | NELAP | 0.0477 | | ND | mg/Kg-dry | 1 | 01/28/2013 21:55 | 85228 |
| Aroclor 1242 | NELAP | 23.8 | | 127 | mg/Kg-dry | 500 | 01/30/2013 4:07 | 85228 |
| Aroclor 1248 | NELAP | 0.0477 | | ND | mg/Kg-dry | 1 | 01/28/2013 21:55 | 85228 |
| Aroclor 1254 | NELAP | 23.8 | | 61.4 | mg/Kg-dry | 500 | 01/30/2013 4:07 | 85228 |
| Aroclor 1260 | NELAP | 0.0477 | | ND | mg/Kg-dry | 1 | 01/28/2013 21:55 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/28/2013 21:55 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 75.7 | %REC | 1 | 01/28/2013 21:55 | 85228 |
| <i>Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-029
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-10-1 ft
 Collection Date: 01/23/2013 13:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 21.1 | % | 1 | 01/25/2013 17:13 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0474 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:12 | 85228 |
| Aroclor 1221 | NELAP | 0.0474 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:12 | 85228 |
| Aroclor 1232 | NELAP | 0.0474 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:12 | 85228 |
| Aroclor 1242 | NELAP | 0.949 | | 8.9 | mg/Kg-dry | 20 | 01/30/2013 4:24 | 85228 |
| Aroclor 1248 | NELAP | 0.0474 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:12 | 85228 |
| Aroclor 1254 | NELAP | 0.949 | | 1.69 | mg/Kg-dry | 20 | 01/30/2013 4:24 | 85228 |
| Aroclor 1260 | NELAP | 0.0474 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:12 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 196.8 | %REC | 1 | 01/28/2013 22:12 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 62.1 | %REC | 1 | 01/28/2013 22:12 | 85228 |
| <i>Surrogate recovery is outside QC limits due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-030

Client Sample ID: IMWP-VV-SP-10-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:30

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.6 | % | 1 | 01/25/2013 17:13 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:29 | 85228 |
| Aroclor 1221 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:29 | 85228 |
| Aroclor 1232 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:29 | 85228 |
| Aroclor 1242 | NELAP | 46 | | 191 | mg/Kg-dry | 1000 | 01/30/2013 4:59 | 85228 |
| Aroclor 1248 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:29 | 85228 |
| Aroclor 1254 | NELAP | 11.5 | | 41.4 | mg/Kg-dry | 250 | 01/30/2013 4:42 | 85228 |
| Aroclor 1260 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/28/2013 22:29 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/28/2013 22:29 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 82.3 | %REC | 1 | 01/28/2013 22:29 | 85228 |

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-031

Client Sample ID: IMWP-VV-SP-10-9 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:35

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|-------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 14.8 | % | 1 | 01/25/2013 17:13 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 43.8 | | ND | mg/Kg-dry | 1000 | 01/30/2013 5:16 | 85228 |
| Aroclor 1221 | NELAP | 43.8 | | ND | mg/Kg-dry | 1000 | 01/30/2013 5:16 | 85228 |
| Aroclor 1232 | NELAP | 43.8 | | ND | mg/Kg-dry | 1000 | 01/30/2013 5:16 | 85228 |
| Aroclor 1242 | NELAP | 438 | | 2460 | mg/Kg-dry | 10000 | 01/30/2013 5:33 | 85228 |
| Aroclor 1248 | NELAP | 43.8 | | ND | mg/Kg-dry | 1000 | 01/30/2013 5:16 | 85228 |
| Aroclor 1254 | NELAP | 43.8 | | 408 | mg/Kg-dry | 1000 | 01/30/2013 5:16 | 85228 |
| Aroclor 1260 | NELAP | 43.8 | | ND | mg/Kg-dry | 1000 | 01/30/2013 5:16 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/28/2013 22:46 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 101.3 | %REC | 1 | 01/28/2013 22:46 | 85228 |
| <i>Elevated reporting limit due to high levels of target analytes.</i> | | | | | | | | |
| <i>Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-032

Client Sample ID: IMWP-VV-SP-10-9 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:05

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 26.5 | % | 1 | 01/25/2013 17:13 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0509 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:03 | 85228 |
| Aroclor 1221 | NELAP | 0.0509 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:03 | 85228 |
| Aroclor 1232 | NELAP | 0.0509 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:03 | 85228 |
| Aroclor 1242 | NELAP | 5.09 | | 65.9 | mg/Kg-dry | 100 | 01/30/2013 5:50 | 85228 |
| Aroclor 1248 | NELAP | 0.0509 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:03 | 85228 |
| Aroclor 1254 | NELAP | 5.09 | | 17.8 | mg/Kg-dry | 100 | 01/30/2013 5:50 | 85228 |
| Aroclor 1260 | NELAP | 0.0509 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:03 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 668.3 | %REC | 1 | 01/28/2013 23:03 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 64.9 | %REC | 1 | 01/28/2013 23:03 | 85228 |
| <i>Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-033
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-11-1 ft
 Collection Date: 01/23/2013 13:45

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 17.2 | % | 1 | 01/25/2013 17:13 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.045 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:20 | 85228 |
| Aroclor 1221 | NELAP | 0.045 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:20 | 85228 |
| Aroclor 1232 | NELAP | 0.045 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:20 | 85228 |
| Aroclor 1242 | NELAP | 0.045 | | 0.102 | mg/Kg-dry | 1 | 01/28/2013 23:20 | 85228 |
| Aroclor 1248 | NELAP | 0.045 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:20 | 85228 |
| Aroclor 1254 | NELAP | 0.045 | J | 0.0368 | mg/Kg-dry | 1 | 01/28/2013 23:20 | 85228 |
| Aroclor 1260 | NELAP | 0.045 | | ND | mg/Kg-dry | 1 | 01/28/2013 23:20 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 107.4 | %REC | 1 | 01/28/2013 23:20 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 70.1 | %REC | 1 | 01/28/2013 23:20 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-034

Client Sample ID: IMWP-VV-SP-11-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:50

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 16.1 | % | 1 | 01/25/2013 17:14 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 442 | | ND | mg/Kg-dry | 10000 | 01/30/2013 6:25 | 85228 |
| Aroclor 1221 | NELAP | 442 | | ND | mg/Kg-dry | 10000 | 01/30/2013 6:25 | 85228 |
| Aroclor 1232 | NELAP | 442 | | ND | mg/Kg-dry | 10000 | 01/30/2013 6:25 | 85228 |
| Aroclor 1242 | NELAP | 442 | | 2630 | mg/Kg-dry | 10000 | 01/30/2013 6:25 | 85228 |
| Aroclor 1248 | NELAP | 442 | | ND | mg/Kg-dry | 10000 | 01/30/2013 6:25 | 85228 |
| Aroclor 1254 | NELAP | 442 | | 1190 | mg/Kg-dry | 10000 | 01/30/2013 6:25 | 85228 |
| Aroclor 1260 | NELAP | 442 | | ND | mg/Kg-dry | 10000 | 01/30/2013 6:25 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/28/2013 23:37 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 75.1 | %REC | 1 | 01/28/2013 23:37 | 85228 |

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-035

Client Sample ID: IMWP-VV-SP-11-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:55

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 17.3 | % | 1 | 01/25/2013 17:14 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 225 | | ND | mg/Kg-dry | 5000 | 01/30/2013 6:59 | 85228 |
| Aroclor 1221 | NELAP | 225 | | ND | mg/Kg-dry | 5000 | 01/30/2013 6:59 | 85228 |
| Aroclor 1232 | NELAP | 225 | | ND | mg/Kg-dry | 5000 | 01/30/2013 6:59 | 85228 |
| Aroclor 1242 | NELAP | 225 | | 1000 | mg/Kg-dry | 5000 | 01/30/2013 6:59 | 85228 |
| Aroclor 1248 | NELAP | 225 | | ND | mg/Kg-dry | 5000 | 01/30/2013 6:59 | 85228 |
| Aroclor 1254 | NELAP | 225 | | 333 | mg/Kg-dry | 5000 | 01/30/2013 6:59 | 85228 |
| Aroclor 1260 | NELAP | 225 | | ND | mg/Kg-dry | 5000 | 01/30/2013 6:59 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/28/2013 23:55 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 68.6 | %REC | 1 | 01/28/2013 23:55 | 85228 |

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-036

Client Sample ID: IMWP-VV-SP-12-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:05

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 16.5 | % | 1 | 01/25/2013 17:14 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:12 | 85228 |
| Aroclor 1221 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:12 | 85228 |
| Aroclor 1232 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:12 | 85228 |
| Aroclor 1242 | NELAP | 11.2 | | 51.7 | mg/Kg-dry | 250 | 01/30/2013 7:33 | 85228 |
| Aroclor 1248 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:12 | 85228 |
| Aroclor 1254 | NELAP | 0.449 | | 4.36 | mg/Kg-dry | 10 | 01/30/2013 7:16 | 85228 |
| Aroclor 1260 | NELAP | 0.449 | | 2.87 | mg/Kg-dry | 10 | 01/31/2013 1:03 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/29/2013 0:12 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 75.4 | %REC | 1 | 01/29/2013 0:12 | 85228 |

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-037
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-12-4 ft
 Collection Date: 01/23/2013 14:10

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 20.0 | % | 1 | 01/25/2013 17:14 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0467 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:29 | 85228 |
| Aroclor 1221 | NELAP | 0.0467 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:29 | 85228 |
| Aroclor 1232 | NELAP | 0.0467 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:29 | 85228 |
| Aroclor 1242 | NELAP | 23.4 | | 78.9 | mg/Kg-dry | 500 | 01/30/2013 8:08 | 85228 |
| Aroclor 1248 | NELAP | 0.0467 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:29 | 85228 |
| Aroclor 1254 | NELAP | 11.7 | | 14.7 | mg/Kg-dry | 500 | 01/30/2013 8:08 | 85228 |
| Aroclor 1260 | NELAP | 0.467 | | 1.97 | mg/Kg-dry | 10 | 01/31/2013 1:20 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 425.9 | %REC | 1 | 01/29/2013 0:29 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 53.2 | %REC | 1 | 01/29/2013 0:29 | 85228 |
| <i>Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-038

Client Sample ID: IMWP-VV-SP-12-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 23.3 | % | 1 | 01/25/2013 17:15 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0485 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:46 | 85228 |
| Aroclor 1221 | NELAP | 0.0485 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:46 | 85228 |
| Aroclor 1232 | NELAP | 0.0485 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:46 | 85228 |
| Aroclor 1242 | NELAP | 243 | | 680 | mg/Kg-dry | 5000 | 01/30/2013 8:42 | 85228 |
| Aroclor 1248 | NELAP | 0.0485 | | ND | mg/Kg-dry | 1 | 01/29/2013 0:46 | 85228 |
| Aroclor 1254 | NELAP | 4.85 | | 45.2 | mg/Kg-dry | 100 | 01/30/2013 8:25 | 85228 |
| Aroclor 1260 | NELAP | 4.85 | | 18.8 | mg/Kg-dry | 100 | 01/31/2013 1:37 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 298.4 | %REC | 1 | 01/29/2013 0:46 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 76.5 | %REC | 1 | 01/29/2013 0:46 | 85228 |
| <i>Surrogate recovery is outside QC limits due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-039

Client Sample ID: IMWP-VV-SP-13-1.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 16.2 | % | 1 | 01/25/2013 17:15 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0444 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:03 | 85228 |
| Aroclor 1221 | NELAP | 0.0444 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:03 | 85228 |
| Aroclor 1232 | NELAP | 0.0444 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:03 | 85228 |
| Aroclor 1242 | NELAP | 0.0444 | | 0.0967 | mg/Kg-dry | 1 | 01/29/2013 1:03 | 85228 |
| Aroclor 1248 | NELAP | 0.0444 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:03 | 85228 |
| Aroclor 1254 | NELAP | 0.0444 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:03 | 85228 |
| Aroclor 1260 | NELAP | 0.0444 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:03 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 137.0 | %REC | 1 | 01/29/2013 1:03 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 59.1 | %REC | 1 | 01/29/2013 1:03 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-040

Client Sample ID: IMWP-VV-SP-13-4.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:05

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 18.8 | % | 1 | 01/25/2013 17:15 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0458 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:55 | 85228 |
| Aroclor 1221 | NELAP | 0.0458 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:55 | 85228 |
| Aroclor 1232 | NELAP | 0.0458 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:55 | 85228 |
| Aroclor 1242 | NELAP | 0.229 | | 0.393 | mg/Kg-dry | 5 | 01/30/2013 10:08 | 85228 |
| Aroclor 1248 | NELAP | 0.0458 | | ND | mg/Kg-dry | 1 | 01/29/2013 1:55 | 85228 |
| Aroclor 1254 | NELAP | 0.229 | | 1.01 | mg/Kg-dry | 5 | 01/30/2013 10:08 | 85228 |
| Aroclor 1260 | NELAP | 0.0458 | | 0.542 | mg/Kg-dry | 1 | 01/29/2013 1:55 | 85228 |
| Surr: Decachlorobiphenyl | | 5-156 | | 120.4 | %REC | 1 | 01/29/2013 1:55 | 85228 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 42.8 | %REC | 1 | 01/29/2013 1:55 | 85228 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-041

Client Sample ID: IMWP-VV-SP-13-9 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:10

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 13.6 | % | 1 | 01/25/2013 17:15 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:04 | 85238 |
| Aroclor 1221 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:04 | 85238 |
| Aroclor 1232 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:04 | 85238 |
| Aroclor 1242 | NELAP | 2.17 | | 14.7 | mg/Kg-dry | 50 | 01/30/2013 10:25 | 85238 |
| Aroclor 1248 | NELAP | 0.0435 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:04 | 85238 |
| Aroclor 1254 | NELAP | 2.17 | | 7.74 | mg/Kg-dry | 50 | 01/30/2013 10:25 | 85238 |
| Aroclor 1260 | NELAP | 2.17 | | 3.54 | mg/Kg-dry | 50 | 01/31/2013 1:54 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 197.4 | %REC | 1 | 01/29/2013 5:04 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 80.6 | %REC | 1 | 01/29/2013 5:04 | 85238 |

Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-042

Client Sample ID: IMWP-VV-SP-14-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 6.7 | % | 1 | 01/25/2013 17:15 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0402 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:21 | 85238 |
| Aroclor 1221 | NELAP | 0.0402 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:21 | 85238 |
| Aroclor 1232 | NELAP | 0.0402 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:21 | 85238 |
| Aroclor 1242 | NELAP | 0.0402 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:21 | 85238 |
| Aroclor 1248 | NELAP | 0.0402 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:21 | 85238 |
| Aroclor 1254 | NELAP | 2.01 | | 18.4 | mg/Kg-dry | 50 | 01/30/2013 10:42 | 85238 |
| Aroclor 1260 | NELAP | 2.01 | | 4.97 | mg/Kg-dry | 50 | 01/31/2013 2:11 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 118.8 | %REC | 1 | 01/29/2013 5:21 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 89.7 | %REC | 1 | 01/29/2013 5:21 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-043
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-14-5 ft
 Collection Date: 01/24/2013 10:20

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 19.1 | % | 1 | 01/25/2013 17:16 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:38 | 85238 |
| Aroclor 1221 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:38 | 85238 |
| Aroclor 1232 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:38 | 85238 |
| Aroclor 1242 | NELAP | 11.5 | | 47.7 | mg/Kg-dry | 250 | 01/30/2013 11:17 | 85238 |
| Aroclor 1248 | NELAP | 0.046 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:38 | 85238 |
| Aroclor 1254 | NELAP | 1.15 | | 8.91 | mg/Kg-dry | 25 | 01/30/2013 11:00 | 85238 |
| Aroclor 1260 | NELAP | 1.15 | | 2.49 | mg/Kg-dry | 25 | 01/31/2013 2:29 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 359.5 | %REC | 1 | 01/29/2013 5:38 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 67.2 | %REC | 1 | 01/29/2013 5:38 | 85238 |
| <i>Surrogate recovery is outside QC limits due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-044
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-14-10 ft
 Collection Date: 01/24/2013 10:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 19.8 | % | 1 | 01/25/2013 17:16 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0463 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:55 | 85238 |
| Aroclor 1221 | NELAP | 0.0463 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:55 | 85238 |
| Aroclor 1232 | NELAP | 0.0463 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:55 | 85238 |
| Aroclor 1242 | NELAP | 23.2 | | 215 | mg/Kg-dry | 500 | 01/30/2013 11:51 | 85238 |
| Aroclor 1248 | NELAP | 0.0463 | | ND | mg/Kg-dry | 1 | 01/29/2013 5:55 | 85238 |
| Aroclor 1254 | NELAP | 2.32 | | 30.5 | mg/Kg-dry | 50 | 01/30/2013 11:34 | 85238 |
| Aroclor 1260 | NELAP | 2.32 | | 13.7 | mg/Kg-dry | 50 | 01/31/2013 2:46 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 110.5 | %REC | 1 | 01/29/2013 5:55 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 62.9 | %REC | 1 | 01/29/2013 5:55 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-045

Client Sample ID: IMWP-VV-SP-15-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:35

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 19.8 | % | 1 | 01/25/2013 17:16 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:13 | 85238 |
| Aroclor 1221 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:13 | 85238 |
| Aroclor 1232 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:13 | 85238 |
| Aroclor 1242 | NELAP | 0.0465 | | 0.122 | mg/Kg-dry | 1 | 01/29/2013 6:13 | 85238 |
| Aroclor 1248 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:13 | 85238 |
| Aroclor 1254 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:13 | 85238 |
| Aroclor 1260 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:13 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 95.9 | %REC | 1 | 01/29/2013 6:13 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 53.1 | %REC | 1 | 01/29/2013 6:13 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-046

Client Sample ID: IMWP-VV-SP-11-8 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:10

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 17.2 | % | 1 | 01/25/2013 17:16 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 451 | | ND | mg/Kg-dry | 10000 | 01/30/2013 12:09 | 85238 |
| Aroclor 1221 | NELAP | 451 | | ND | mg/Kg-dry | 10000 | 01/30/2013 12:09 | 85238 |
| Aroclor 1232 | NELAP | 451 | | ND | mg/Kg-dry | 10000 | 01/30/2013 12:09 | 85238 |
| Aroclor 1242 | NELAP | 1130 | | 3530 | mg/Kg-dry | 25000 | 01/30/2013 12:26 | 85238 |
| Aroclor 1248 | NELAP | 451 | | ND | mg/Kg-dry | 10000 | 01/30/2013 12:09 | 85238 |
| Aroclor 1254 | NELAP | 451 | | 1540 | mg/Kg-dry | 10000 | 01/30/2013 12:09 | 85238 |
| Aroclor 1260 | NELAP | 451 | | ND | mg/Kg-dry | 10000 | 01/30/2013 12:09 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/29/2013 6:30 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 77.5 | %REC | 1 | 01/29/2013 6:30 | 85238 |

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-047
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-15-4.5 Ft
 Collection Date: 01/23/2013 14:40

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 20.4 | % | 1 | 01/25/2013 17:17 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 1.17 | | 7.51 | mg/Kg-dry | 25 | 01/30/2013 12:43 | 85238 |
| Aroclor 1221 | NELAP | 0.0468 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:47 | 85238 |
| Aroclor 1232 | NELAP | 0.0468 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:47 | 85238 |
| Aroclor 1242 | NELAP | 0.0468 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:47 | 85238 |
| Aroclor 1248 | NELAP | 0.0468 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:47 | 85238 |
| Aroclor 1254 | NELAP | 0.0468 | | ND | mg/Kg-dry | 1 | 01/29/2013 6:47 | 85238 |
| Aroclor 1260 | NELAP | 0.234 | J | 0.0837 | mg/Kg-dry | 5 | 01/31/2013 3:03 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 102.1 | %REC | 1 | 01/29/2013 6:47 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 43.7 | %REC | 1 | 01/29/2013 6:47 | 85238 |
| <i>Elevated reporting limit due to sample extract composition.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-048

Client Sample ID: IMWP-VV-SP-15-9 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:45

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 19.8 | % | 1 | 01/25/2013 17:17 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:04 | 85238 |
| Aroclor 1221 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:04 | 85238 |
| Aroclor 1232 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:04 | 85238 |
| Aroclor 1242 | NELAP | 23.2 | | 238 | mg/Kg-dry | 500 | 01/30/2013 13:17 | 85238 |
| Aroclor 1248 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:04 | 85238 |
| Aroclor 1254 | NELAP | 1.16 | | 14.5 | mg/Kg-dry | 25 | 01/30/2013 13:00 | 85238 |
| Aroclor 1260 | NELAP | 1.16 | | 5.07 | mg/Kg-dry | 25 | 01/31/2013 3:20 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 84.4 | %REC | 1 | 01/29/2013 7:04 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 57.6 | %REC | 1 | 01/29/2013 7:04 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-049
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-16-1 ft
 Collection Date: 01/24/2013 10:35

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 16.8 | % | 1 | 01/25/2013 17:17 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:21 | 85238 |
| Aroclor 1221 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:21 | 85238 |
| Aroclor 1232 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:21 | 85238 |
| Aroclor 1242 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:21 | 85238 |
| Aroclor 1248 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:21 | 85238 |
| Aroclor 1254 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:21 | 85238 |
| Aroclor 1260 | NELAP | 0.0449 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:21 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 84.4 | %REC | 1 | 01/29/2013 7:21 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 64.1 | %REC | 1 | 01/29/2013 7:21 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-050

Client Sample ID: IMWP-VV-SP-16-1 ft AD

Matrix: SOLID

Collection Date: 01/24/2013 12:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 19.6 | % | 1 | 01/25/2013 17:17 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:38 | 85238 |
| Aroclor 1221 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:38 | 85238 |
| Aroclor 1232 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:38 | 85238 |
| Aroclor 1242 | NELAP | 0.0465 | J | 0.0306 | mg/Kg-dry | 1 | 01/29/2013 7:38 | 85238 |
| Aroclor 1248 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:38 | 85238 |
| Aroclor 1254 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:38 | 85238 |
| Aroclor 1260 | NELAP | 0.0465 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:38 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 73.8 | %REC | 1 | 01/29/2013 7:38 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 41.5 | %REC | 1 | 01/29/2013 7:38 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-051
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-16-5 ft
 Collection Date: 01/24/2013 10:40

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 19.0 | % | 1 | 01/25/2013 17:17 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:55 | 85238 |
| Aroclor 1221 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:55 | 85238 |
| Aroclor 1232 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:55 | 85238 |
| Aroclor 1242 | NELAP | 0.0462 | | 0.0686 | mg/Kg-dry | 1 | 01/29/2013 7:55 | 85238 |
| Aroclor 1248 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:55 | 85238 |
| Aroclor 1254 | NELAP | 0.0462 | | ND | mg/Kg-dry | 1 | 01/29/2013 7:55 | 85238 |
| Aroclor 1260 | NELAP | 0.0462 | J | 0.0372 | mg/Kg-dry | 1 | 01/29/2013 7:55 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 111.0 | %REC | 1 | 01/29/2013 7:55 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 66.4 | %REC | 1 | 01/29/2013 7:55 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-052

Client Sample ID: IMWP-VV-SP-16-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:45

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 17.7 | % | 1 | 01/25/2013 17:18 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:13 | 85238 |
| Aroclor 1221 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:13 | 85238 |
| Aroclor 1232 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:13 | 85238 |
| Aroclor 1242 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:13 | 85238 |
| Aroclor 1248 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:13 | 85238 |
| Aroclor 1254 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:13 | 85238 |
| Aroclor 1260 | NELAP | 0.0457 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:13 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 98.4 | %REC | 1 | 01/29/2013 8:13 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 58.4 | %REC | 1 | 01/29/2013 8:13 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-053
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-17-1.5 ft
 Collection Date: 01/24/2013 10:55

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 15.2 | % | 1 | 01/25/2013 17:18 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0441 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:47 | 85238 |
| Aroclor 1221 | NELAP | 0.0441 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:47 | 85238 |
| Aroclor 1232 | NELAP | 0.0441 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:47 | 85238 |
| Aroclor 1242 | NELAP | 0.0441 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:47 | 85238 |
| Aroclor 1248 | NELAP | 0.0441 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:47 | 85238 |
| Aroclor 1254 | NELAP | 0.0441 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:47 | 85238 |
| Aroclor 1260 | NELAP | 0.0441 | | ND | mg/Kg-dry | 1 | 01/29/2013 8:47 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 111.4 | %REC | 1 | 01/29/2013 8:47 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 72.2 | %REC | 1 | 01/29/2013 8:47 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-054

Client Sample ID: IMWP-VV-SP-17-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 21.9 | % | 1 | 01/25/2013 17:18 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.048 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:04 | 85238 |
| Aroclor 1221 | NELAP | 0.048 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:04 | 85238 |
| Aroclor 1232 | NELAP | 0.048 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:04 | 85238 |
| Aroclor 1242 | NELAP | 0.048 | J | 0.031 | mg/Kg-dry | 1 | 01/29/2013 9:04 | 85238 |
| Aroclor 1248 | NELAP | 0.048 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:04 | 85238 |
| Aroclor 1254 | NELAP | 0.048 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:04 | 85238 |
| Aroclor 1260 | NELAP | 0.048 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:04 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 78.2 | %REC | 1 | 01/29/2013 9:04 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 39.2 | %REC | 1 | 01/29/2013 9:04 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-055

Client Sample ID: IMWP-VV-SP-17-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:05

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 17.0 | % | 1 | 01/25/2013 17:18 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0451 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:22 | 85238 |
| Aroclor 1221 | NELAP | 0.0451 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:22 | 85238 |
| Aroclor 1232 | NELAP | 0.0451 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:22 | 85238 |
| Aroclor 1242 | NELAP | 45.1 | | 297 | mg/Kg-dry | 1000 | 01/30/2013 13:35 | 85238 |
| Aroclor 1248 | NELAP | 0.0451 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:22 | 85238 |
| Aroclor 1254 | NELAP | 45.1 | | 145 | mg/Kg-dry | 1000 | 01/30/2013 13:35 | 85238 |
| Aroclor 1260 | NELAP | 4.51 | | 17.8 | mg/Kg-dry | 100 | 01/31/2013 3:37 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 343.9 | %REC | 1 | 01/29/2013 9:22 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 57.9 | %REC | 1 | 01/29/2013 9:22 | 85238 |
| <i>Surrogate recovery is outside QC limits due to matrix interference.</i> | | | | | | | | |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-056
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-18-1 ft
 Collection Date: 01/24/2013 11:15

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 11.4 | % | 1 | 01/25/2013 17:18 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0421 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:39 | 85238 |
| Aroclor 1221 | NELAP | 0.0421 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:39 | 85238 |
| Aroclor 1232 | NELAP | 0.0421 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:39 | 85238 |
| Aroclor 1242 | NELAP | 0.0421 | | 0.401 | mg/Kg-dry | 1 | 01/29/2013 9:39 | 85238 |
| Aroclor 1248 | NELAP | 0.0421 | | ND | mg/Kg-dry | 1 | 01/29/2013 9:39 | 85238 |
| Aroclor 1254 | NELAP | 0.0421 | | 0.142 | mg/Kg-dry | 1 | 01/29/2013 9:39 | 85238 |
| Aroclor 1260 | NELAP | 0.0421 | | 0.0795 | mg/Kg-dry | 1 | 01/29/2013 9:39 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 116.6 | %REC | 1 | 01/29/2013 9:39 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 66.7 | %REC | 1 | 01/29/2013 9:39 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-057

Client Sample ID: IMWP-VV-SP-18-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:20

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 24.3 | % | 1 | 01/25/2013 17:19 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 49.3 | | ND | mg/Kg-dry | 1000 | 01/30/2013 14:09 | 85238 |
| Aroclor 1221 | NELAP | 49.3 | | ND | mg/Kg-dry | 1000 | 01/30/2013 14:09 | 85238 |
| Aroclor 1232 | NELAP | 49.3 | | ND | mg/Kg-dry | 1000 | 01/30/2013 14:09 | 85238 |
| Aroclor 1242 | NELAP | 493 | | 1300 | mg/Kg-dry | 10000 | 01/30/2013 14:26 | 85238 |
| Aroclor 1248 | NELAP | 49.3 | | ND | mg/Kg-dry | 1000 | 01/30/2013 14:09 | 85238 |
| Aroclor 1254 | NELAP | 49.3 | | 157 | mg/Kg-dry | 1000 | 01/30/2013 14:09 | 85238 |
| Aroclor 1260 | NELAP | 49.3 | J | 47.8 | mg/Kg-dry | 1000 | 01/31/2013 3:54 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/29/2013 9:56 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 44.7 | %REC | 1 | 01/29/2013 9:56 | 85238 |

Elevated reporting limit due to high levels of target analytes.

Elevated reporting limit due to sample extract composition.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-058

Client Sample ID: IMWP-VV-SP-18-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:25

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|-------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 22.3 | % | 1 | 01/25/2013 17:19 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 48.1 | S | ND | mg/Kg-dry | 1000 | 01/30/2013 14:43 | 85238 |
| Aroclor 1221 | NELAP | 48.1 | | ND | mg/Kg-dry | 1000 | 01/30/2013 14:43 | 85238 |
| Aroclor 1232 | NELAP | 48.1 | | ND | mg/Kg-dry | 1000 | 01/30/2013 14:43 | 85238 |
| Aroclor 1242 | NELAP | 481 | | 1670 | mg/Kg-dry | 10000 | 01/30/2013 15:01 | 85238 |
| Aroclor 1248 | NELAP | 48.1 | | ND | mg/Kg-dry | 1000 | 01/30/2013 14:43 | 85238 |
| Aroclor 1254 | NELAP | 48.1 | | 265 | mg/Kg-dry | 1000 | 01/30/2013 14:43 | 85238 |
| Aroclor 1260 | NELAP | 19.2 | S | 52.2 | mg/Kg-dry | 1000 | 01/31/2013 4:12 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/29/2013 10:13 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 60.8 | %REC | 1 | 01/29/2013 10:13 | 85238 |

MS/MSD did not recover within control limits due to sample composition.

Elevated reporting limit due to high levels of target analytes.

MS/MSD did not recover within control limits due to sample extract composition.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-059
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-19-1 ft
 Collection Date: 01/24/2013 11:35

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 13.2 | % | 1 | 01/25/2013 17:19 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:05 | 85238 |
| Aroclor 1221 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:05 | 85238 |
| Aroclor 1232 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:05 | 85238 |
| Aroclor 1242 | NELAP | 0.432 | | 3.32 | mg/Kg-dry | 10 | 01/30/2013 16:27 | 85238 |
| Aroclor 1248 | NELAP | 0.0432 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:05 | 85238 |
| Aroclor 1254 | NELAP | 0.432 | | 1.58 | mg/Kg-dry | 10 | 01/30/2013 16:27 | 85238 |
| Aroclor 1260 | NELAP | 0.0432 | | 0.55 | mg/Kg-dry | 1 | 01/29/2013 11:05 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 141.1 | %REC | 1 | 01/29/2013 11:05 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 69.1 | %REC | 1 | 01/29/2013 11:05 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-060

Client Sample ID: IMWP-VV-SP-19-4.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:40

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 15.3 | % | 1 | 01/25/2013 17:19 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 0.0442 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:22 | 85238 |
| Aroclor 1221 | NELAP | 0.0442 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:22 | 85238 |
| Aroclor 1232 | NELAP | 0.0442 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:22 | 85238 |
| Aroclor 1242 | NELAP | 0.0442 | | 0.219 | mg/Kg-dry | 1 | 01/29/2013 11:22 | 85238 |
| Aroclor 1248 | NELAP | 0.0442 | | ND | mg/Kg-dry | 1 | 01/29/2013 11:22 | 85238 |
| Aroclor 1254 | NELAP | 0.0442 | | 0.0631 | mg/Kg-dry | 1 | 01/29/2013 11:22 | 85238 |
| Aroclor 1260 | NELAP | 0.0442 | J | 0.0259 | mg/Kg-dry | 1 | 01/29/2013 11:22 | 85238 |
| Surr: Decachlorobiphenyl | | 5-156 | | 98.7 | %REC | 1 | 01/29/2013 11:22 | 85238 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 73.5 | %REC | 1 | 01/29/2013 11:22 | 85238 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-061
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-19-9.5 ft
 Collection Date: 01/24/2013 11:45

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 20.8 | % | 1 | 01/25/2013 17:19 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 47.3 | S | 520 | mg/Kg-dry | 1000 | 01/30/2013 21:36 | 85252 |
| Aroclor 1221 | NELAP | 4.73 | | ND | mg/Kg-dry | 100 | 01/30/2013 21:19 | 85252 |
| Aroclor 1232 | NELAP | 4.73 | | ND | mg/Kg-dry | 100 | 01/30/2013 21:19 | 85252 |
| Aroclor 1242 | NELAP | 4.73 | | ND | mg/Kg-dry | 100 | 01/30/2013 21:19 | 85252 |
| Aroclor 1248 | NELAP | 4.73 | | ND | mg/Kg-dry | 100 | 01/30/2013 21:19 | 85252 |
| Aroclor 1254 | NELAP | 4.73 | | ND | mg/Kg-dry | 100 | 01/30/2013 21:19 | 85252 |
| Aroclor 1260 | NELAP | 4.73 | SR | 20.8 | mg/Kg-dry | 100 | 01/30/2013 21:19 | 85252 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 623.0 | %REC | 1 | 01/29/2013 12:48 | 85252 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 52.4 | %REC | 1 | 01/29/2013 12:48 | 85252 |

RPD and MS/MSD were outside of QC limits due to sample extract composition.
 Elevated reporting limit due to high levels of target and/or non-target analytes.
 Surrogate recovery is outside QC limits due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-062

Client Sample ID: IMWP-VV-SP-19-9.5 AD

Matrix: SOLID

Collection Date: 01/24/2013 12:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|------|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 21.7 | % | 1 | 01/25/2013 17:20 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 47.9 | | 446 | mg/Kg-dry | 1000 | 01/30/2013 23:19 | 85252 |
| Aroclor 1221 | NELAP | 4.79 | | ND | mg/Kg-dry | 100 | 01/30/2013 23:02 | 85252 |
| Aroclor 1232 | NELAP | 4.79 | | ND | mg/Kg-dry | 100 | 01/30/2013 23:02 | 85252 |
| Aroclor 1242 | NELAP | 4.79 | | ND | mg/Kg-dry | 100 | 01/30/2013 23:02 | 85252 |
| Aroclor 1248 | NELAP | 4.79 | | ND | mg/Kg-dry | 100 | 01/30/2013 23:02 | 85252 |
| Aroclor 1254 | NELAP | 4.79 | | ND | mg/Kg-dry | 100 | 01/30/2013 23:02 | 85252 |
| Aroclor 1260 | NELAP | 4.79 | | 21.7 | mg/Kg-dry | 100 | 01/30/2013 23:02 | 85252 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 0 | %REC | 1 | 01/29/2013 14:10 | 85252 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 43.9 | %REC | 1 | 01/29/2013 14:10 | 85252 |

Elevated reporting limit due to high levels of target and/or non-target analytes.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.
 Client Project: Solutia 2950
 Lab ID: 13011093-063
 Matrix: SOLID

Work Order: 13011093
 Report Date: 01-Feb-13
 Client Sample ID: IMWP-VV-SP-15-4.5 AD
 Collection Date: 01/24/2013 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---------------|----------|------|--------|-----------|----|------------------|---------|
| EPA SW846 3550C, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | | 0.1 | | 20.6 | % | 1 | 01/25/2013 17:20 | R173057 |
| SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD | | | | | | | | |
| Aroclor 1016 | NELAP | 1.18 | | 6.61 | mg/Kg-dry | 25 | 01/30/2013 23:54 | 85252 |
| Aroclor 1221 | NELAP | 0.471 | | ND | mg/Kg-dry | 10 | 01/30/2013 23:37 | 85252 |
| Aroclor 1232 | NELAP | 0.471 | | ND | mg/Kg-dry | 10 | 01/30/2013 23:37 | 85252 |
| Aroclor 1242 | NELAP | 0.471 | | ND | mg/Kg-dry | 10 | 01/30/2013 23:37 | 85252 |
| Aroclor 1248 | NELAP | 0.471 | | ND | mg/Kg-dry | 10 | 01/30/2013 23:37 | 85252 |
| Aroclor 1254 | NELAP | 0.471 | | ND | mg/Kg-dry | 10 | 01/30/2013 23:37 | 85252 |
| Aroclor 1260 | NELAP | 0.471 | | 1.35 | mg/Kg-dry | 10 | 01/30/2013 23:37 | 85252 |
| Surr: Decachlorobiphenyl | | 5-156 | S | 412.4 | %REC | 1 | 01/29/2013 14:28 | 85252 |
| Surr: Tetrachloro-meta-xylene | | 7.35-123 | | 57.0 | %REC | 1 | 01/29/2013 14:28 | 85252 |

Elevated reporting limit due to high levels of target and/or non-target analytes.

Surrogate recovery is outside QC limits due to matrix interference.



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

EPA SW846 3550C, 5035A, ASTM D2974

| Batch R173057 | | SampType: LCS | | Units % | | | | | | Date Analyzed |
|------------------|-----|---------------|--------|---------|-------------|-------|-----------|------------|------------|---------------|
| SampID: LCS | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Percent Moisture | 0.1 | | 99.0 | 99.0 | 0 | 100.0 | 90 | 110 | 01/25/2013 | |

| Batch R173057 | | SampType: LCSQC | | Units % | | | | | | Date Analyzed |
|------------------|-----|-----------------|--------|---------|-------------|-------|-----------|------------|------------|---------------|
| SampID: LCSQC | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Percent Moisture | 0.1 | | 99.0 | 99.0 | 0 | 100.0 | 90 | 110 | 01/25/2013 | |

| Batch R173057 | | SampType: DUP | | Units % | | RPD Limit 15 | | | | Date Analyzed |
|---------------------------|-----|---------------|--------|---------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 13011093-002A DUP | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Percent Moisture | 0.1 | | 18.0 | | | | 17.97 | 0.44 | 01/25/2013 | |

| Batch R173057 | | SampType: DUP | | Units % | | RPD Limit 15 | | | | Date Analyzed |
|---------------------------|-----|---------------|--------|---------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 13011093-015A DUP | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Percent Moisture | 0.1 | | 19.1 | | | | 18.23 | 4.66 | 01/25/2013 | |

| Batch R173057 | | SampType: DUP | | Units % | | RPD Limit 15 | | | | Date Analyzed |
|---------------------------|-----|---------------|--------|---------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 13011093-027A DUP | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Percent Moisture | 0.1 | | 21.2 | | | | 20.79 | 1.95 | 01/25/2013 | |

| Batch R173057 | | SampType: DUP | | Units % | | RPD Limit 15 | | | | Date Analyzed |
|---------------------------|-----|---------------|--------|---------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 13011093-035A DUP | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Percent Moisture | 0.1 | | 17.0 | | | | 17.28 | 1.63 | 01/25/2013 | |

| Batch R173057 | | SampType: DUP | | Units % | | RPD Limit 15 | | | | Date Analyzed |
|---------------------------|-----|---------------|--------|---------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 13011093-044A DUP | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Percent Moisture | 0.1 | | 18.5 | | | | 19.79 | 6.52 | 01/25/2013 | |

| Batch R173057 | | SampType: DUP | | Units % | | RPD Limit 15 | | | | Date Analyzed |
|---------------------------|-----|---------------|--------|---------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 13011093-051A DUP | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Percent Moisture | 0.1 | | 18.8 | | | | 19.02 | 1.38 | 01/25/2013 | |

| Batch R173057 | | SampType: DUP | | Units % | | RPD Limit 15 | | | | Date Analyzed |
|---------------------------|-----|---------------|--------|---------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 13011093-063A DUP | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Percent Moisture | 0.1 | | 20.0 | | | | 20.57 | 2.56 | 01/25/2013 | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

EPA SW846 3550C, 5035A, ASTM D2974

| Batch R173057 | SampType: DUP | Units % | | | | | RPD Limit 15 | Date Analyzed | |
|---------------------------|---------------|---------|--------|-------|-------------|------|--------------|---------------|------------|
| SampID: 13011126-007C DUP | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Percent Moisture | 0.1 | | 16.2 | | | | 15.11 | 6.84 | 01/25/2013 |

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

| Batch 85215 | SampType: MBLK | Units mg/Kg | | | | | Date Analyzed | | |
|-------------------------------|----------------|-------------|--------|-------|-------------|-------|---------------|------------|------------|
| SampID: MB-85215 | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | |
| Aroclor 1016 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1221 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1232 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1242 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1248 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1254 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1260 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Surr: Decachlorobiphenyl | | | 8.4 | 8.3 | | 100.6 | 59 | 160 | 01/28/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.2 | 8.3 | | 75.1 | 31.6 | 114 | 01/28/2013 |

| Batch 85215 | SampType: LCS | Units mg/Kg | | | | | Date Analyzed | | |
|-------------------------------|---------------|-------------|--------|-------|-------------|------|---------------|------------|------------|
| SampID: LCSPCB-85215 | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | |
| Aroclor 1016 | 0.0375 | | 0.102 | 0.2 | 0 | 60.9 | 54.9 | 121 | 01/28/2013 |
| Aroclor 1260 | 0.0375 | | 0.124 | 0.2 | 0 | 74.3 | 65.5 | 133 | 01/28/2013 |
| Surr: Decachlorobiphenyl | | | 8.0 | 8.3 | | 96.8 | 86.4 | 159 | 01/28/2013 |
| Surr: Tetrachloro-meta-xylene | | | 4.2 | 8.3 | | 50.7 | 31.6 | 114 | 01/28/2013 |

| Batch 85215 | SampType: MS | Units mg/Kg-dry | | | | | Date Analyzed | | |
|-------------------------------|--------------|-----------------|--------|-------|-------------|------|---------------|------------|------------|
| SampID: 13011093-020AMS | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | |
| Aroclor 1016 | 0.0428 | | 0.157 | 0.2 | 0 | 82.4 | 35.8 | 143 | 01/29/2013 |
| Aroclor 1260 | 0.0428 | | 0.255 | 0.2 | 2422838881C | 68.9 | 22.3 | 152 | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 8.3 | 9.5 | | 87.2 | 5 | 156 | 01/28/2013 |
| Surr: Tetrachloro-meta-xylene | | | 5.8 | 9.5 | | 61.5 | 7.35 | 123 | 01/28/2013 |

| Batch 85215 | SampType: MSD | Units mg/Kg-dry | | | | | Date Analyzed | | |
|-------------------------------|---------------|-----------------|--------|-------|-------------|------|---------------|-------|------------|
| SampID: 13011093-020AMSD | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Aroclor 1016 | 0.0429 | | 0.173 | 0.2 | 0 | 90.5 | 0.156905529 | 9.56 | 01/29/2013 |
| Aroclor 1260 | 0.0429 | | 0.283 | 0.2 | 2422838881C | 83.4 | 0.255384855 | 10.34 | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 8.3 | 9.5 | | 87.7 | | | 01/28/2013 |
| Surr: Tetrachloro-meta-xylene | | | 5.6 | 9.5 | | 58.5 | | | 01/28/2013 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85228 **SampType: MBLK** **Units mg/Kg**
 SampID: MB-85228

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| Aroclor 1016 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1221 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1232 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1242 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1248 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1254 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Aroclor 1260 | 0.0375 | | ND | | | | | | 01/28/2013 |
| Surr: Decachlorobiphenyl | | | 8.6 | 8.3 | | 104.0 | 59 | 160 | 01/28/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.8 | 8.3 | | 81.4 | 31.6 | 114 | 01/28/2013 |

Batch 85228 **SampType: LCS** **Units mg/Kg**
 SampID: LCSPCB-85228

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| Aroclor 1016 | 0.0375 | | 0.121 | 0.2 | 0 | 72.5 | 54.9 | 121 | 01/28/2013 |
| Aroclor 1260 | 0.0375 | | 0.147 | 0.2 | 0 | 88.1 | 65.5 | 133 | 01/28/2013 |
| Surr: Decachlorobiphenyl | | | 9.0 | 8.3 | | 108.2 | 86.4 | 159 | 01/28/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.7 | 8.3 | | 80.9 | 31.6 | 114 | 01/28/2013 |

Batch 85228 **SampType: MS** **Units mg/Kg-dry**
 SampID: 13011093-039AMS

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| Aroclor 1016 | 0.0443 | | 0.142 | 0.2 | 0 | 72.2 | 35.8 | 143 | 01/29/2013 |
| Aroclor 1260 | 0.0443 | | 0.204 | 0.2 | 0 | 103.8 | 22.3 | 152 | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 11.0 | 9.8 | | 112.5 | 5 | 156 | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.6 | 9.8 | | 67.1 | 7.35 | 123 | 01/29/2013 |

Batch 85228 **SampType: MSD** **Units mg/Kg-dry** **RPD Limit 40**
 SampID: 13011093-039AMSD

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-------------|------|---------------|
| Aroclor 1016 | 0.0443 | | 0.152 | 0.2 | 0 | 77.2 | 0.142197847 | 6.73 | 01/29/2013 |
| Aroclor 1260 | 0.0443 | | 0.219 | 0.2 | 0 | 111.4 | 0.204460676 | 7.05 | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 9.8 | 9.8 | | 99.7 | | | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.3 | 9.8 | | 63.9 | | | 01/29/2013 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85238 **SampType: MBLK** **Units mg/Kg**
 SampID: MB-85238

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| Aroclor 1016 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1221 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1232 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1242 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1248 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1254 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1260 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 11.6 | 8.3 | | 139.6 | 59 | 160 | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.0 | 8.3 | | 72.0 | 31.6 | 114 | 01/29/2013 |

Batch 85238 **SampType: LCS** **Units mg/Kg**
 SampID: LCSPCB-85238

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| Aroclor 1016 | 0.0375 | | 0.12 | 0.2 | 0 | 72.0 | 54.9 | 121 | 01/29/2013 |
| Aroclor 1260 | 0.0375 | | 0.158 | 0.2 | 0 | 94.6 | 65.5 | 133 | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 11.2 | 8.3 | | 135.4 | 86.4 | 159 | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 5.7 | 8.3 | | 68.3 | 31.6 | 114 | 01/29/2013 |

Batch 85238 **SampType: MS** **Units mg/Kg-dry**
 SampID: 13011093-058AMS

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|------|------|--------|-------|-------------|--------|-----------|------------|---------------|
| Aroclor 1016 | 48.2 | S | ND | 0.2 | 0 | 0 | 35.8 | 143 | 01/30/2013 |
| Aroclor 1260 | 19.3 | S | 29.5 | 0.2 | 15826207674 | -10580 | 22.3 | 152 | 01/31/2013 |
| Surr: Decachlorobiphenyl | | S | 60.3 | 10.7 | | 566.0 | 5 | 156 | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.0 | 10.7 | | 55.9 | 7.35 | 123 | 01/29/2013 |

Batch 85238 **SampType: MSD** **Units mg/Kg-dry** **RPD Limit 40**
 SampID: 13011093-058AMSD

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
|-------------------------------|------|------|--------|-------|-------------|-------|-------------|-------|---------------|
| Aroclor 1016 | 48.1 | S | ND | 0.2 | 0 | 0 | 0 | 0.00 | 01/30/2013 |
| Aroclor 1260 | 19.2 | S | 25.3 | 0.2 | 0 | 11820 | 29.50253433 | 15.45 | 01/31/2013 |
| Surr: Decachlorobiphenyl | | S | 64.2 | 10.6 | | 603.2 | | | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.2 | 10.6 | | 58.1 | | | 01/29/2013 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85252 **SampType: MBLK** Units mg/Kg
 SampID: MB-85252

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| Aroclor 1016 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1221 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1232 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1242 | 0.0375 | J | 0.0311 | | | | | | 01/29/2013 |
| Aroclor 1248 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1254 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Aroclor 1260 | 0.0375 | | ND | | | | | | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 11.3 | 8.3 | | 135.8 | 59 | 160 | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 6.2 | 8.3 | | 74.9 | 31.6 | 114 | 01/29/2013 |

Batch 85252 **SampType: LCS** Units mg/Kg
 SampID: LCSPCB-85252

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| Aroclor 1016 | 0.0375 | | 0.128 | 0.2 | 0 | 76.6 | 54.9 | 121 | 01/29/2013 |
| Aroclor 1260 | 0.0375 | | 0.165 | 0.2 | 0 | 98.9 | 65.5 | 133 | 01/29/2013 |
| Surr: Decachlorobiphenyl | | | 11.6 | 8.3 | | 139.3 | 86.4 | 159 | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 5.8 | 8.3 | | 70.0 | 31.6 | 114 | 01/29/2013 |

Batch 85252 **SampType: MS** Units mg/Kg-dry
 SampID: 13011093-061AMS

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|------|------|--------|-------|--------------|--------|-----------|------------|---------------|
| Aroclor 1016 | 47.3 | S | 458 | 0.2 | 3.2969186229 | -29540 | 35.8 | 143 | 01/30/2013 |
| Aroclor 1260 | 4.73 | S | 25.6 | 0.2 | 80454670131 | 2261 | 22.3 | 152 | 01/30/2013 |
| Surr: Decachlorobiphenyl | | S | 48.9 | 10.5 | | 466.8 | 5 | 156 | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 5.3 | 10.5 | | 50.2 | 7.35 | 123 | 01/29/2013 |

Batch 85252 **SampType: MSD** Units mg/Kg-dry **RPD Limit 40**
 SampID: 13011093-061AMSD

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
|-------------------------------|------|------|--------|-------|--------------|--------|-------------|-------|---------------|
| Aroclor 1016 | 47.2 | S | 323 | 0.2 | 3.2969186229 | -94050 | 458.1279073 | 34.65 | 01/30/2013 |
| Aroclor 1260 | 4.72 | SR | 15.2 | 0.2 | 80454670131 | -2688 | 25.56400438 | 51.09 | 01/30/2013 |
| Surr: Decachlorobiphenyl | | S | 29.1 | 10.5 | | 278.4 | | | 01/29/2013 |
| Surr: Tetrachloro-meta-xylene | | | 5.9 | 10.5 | | 56.8 | | | 01/29/2013 |

Batch 85252 **SampType: MS** Units mg/Kg-dry
 SampID: 13011126-007AMS

| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------------|--------|------|--------|-------|-------------|------|-----------|------------|---------------|
| Aroclor 1016 | 0.0441 | | 0.126 | 0.2 | 0 | 64.4 | 35.8 | 143 | 01/30/2013 |
| Aroclor 1260 | 0.0441 | | 0.13 | 0.2 | 0 | 66.1 | 22.3 | 152 | 01/30/2013 |
| Surr: Decachlorobiphenyl | | | 7.9 | 9.8 | | 80.8 | 5 | 156 | 01/30/2013 |
| Surr: Tetrachloro-meta-xylene | | | 5.6 | 9.8 | | 56.9 | 7.35 | 123 | 01/30/2013 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

| Batch 85252 | | SampType: MSD | | Units mg/Kg-dry | | | | RPD Limit 40 | | Date Analyzed |
|-------------------------------|-------|---------------|--------|-----------------|-------------|------|-------------|--------------|------------|---------------|
| SampID: 13011126-007AMSD | | | | | | | | | | |
| Analyses | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Aroclor 1016 | 0.044 | | 0.118 | 0.2 | 0 | 60.4 | 0.126435523 | 6.68 | 01/30/2013 | |
| Aroclor 1260 | 0.044 | | 0.12 | 0.2 | 0 | 61.4 | 0.129749370 | 7.68 | 01/30/2013 | |
| Surr: Decachlorobiphenyl | | | 6.9 | 9.7 | | 71.1 | | | 01/30/2013 | |
| Surr: Tetrachloro-meta-xylene | | | 4.2 | 9.7 | | 42.7 | | | 01/30/2013 | |



Receiving Check List

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Carrier: Kendrick Prejean

Received By: EEP

Completed by:

On:

24-Jan-13

Timothy W. Mathis

Reviewed by:

On:

25-Jan-13

Michael L. Austin

Pages to follow: Chain of custody

Extra pages included

| | | | | |
|--|---|---|---|----------------------------------|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Temp °C 1.4 |
| Type of thermal preservation? | None <input type="checkbox"/> | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/> | Dry Ice <input type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Reported field parameters measured: | Field <input type="checkbox"/> | Lab <input type="checkbox"/> | NA <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| <i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i> | | | | |
| Water – at least one vial per sample has zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials <input checked="" type="checkbox"/> | |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No TOX containers <input checked="" type="checkbox"/> | |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> | |

Any No responses must be detailed below or on the COC.

